



$$|\theta_{OA} - \theta_B| \leq 1^\circ$$

FIG.1

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ALIGNMENT LAYERS, CONTACT ANGLES, EXTENDING DIRECTIONS AND OPTICAL AXES OF BATONNET
(ANGLES SHIFTED FROM RUBBING DIRECTION)

STRUCTURES OF PRINCIPAL CHAIN	(1)				(2)					
	A	A+B (2:1)	A+B (1:2)	B	C	D	D+E (2:1)	D+E (1:2)	E	F
ALIGNMENT LAYER MATERIAL	NONE	PRESENCE	PRESENCE	PRESENCE	NONE	PRESENCE	PRESENCE	PRESENCE	PRESENCE	PRESENCE
SIDE CHAINS	1-2			3	1-2	3-4			6-9	90
PRETILT ANGLES IN NEMATIC LIQUID CRYSTAL [°]										
CONTACT ANGLES [°]										
① SURFACE TENSION										
② EXTENDING DIRECTION [°] (OPTICAL AXIS [°]) OF BATONNET										
③ ALIGNMENT CHARACTERISTICS										
④ DETERIORATION RATIOS										

FIG.3

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